

UNIVERSITY OF CALIFORNIA

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SANTA BARBARA • SANTA CRUZ

EXECUTIVE VICE PRESIDENT—
CHIEF FINANCIAL OFFICER

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December 6, 2017

Mr. Mac Taylor, Legislative Analyst
Executive Office
925 L Street, Suite 1000
Sacramento, CA 95814

Dear Mr. Taylor:

Enclosed is the University of California's report of Classroom and Teaching Lab Utilization for fall 2016. This report responds to Section 67503(a) of the Education Code that requests the University of California provide the Joint Legislative Budget Committee and the Department of Finance a report on the utilization of classroom and teaching laboratories.

Each campus collects data about class schedules and class enrollment, combines this data with the inventory of rooms to which utilization standards apply, and then compares the resulting room utilization with legislatively approved standards. This report includes for each campus the total number of rooms, number of stations, weekly student contact hours, and weekly station hours. The report also includes the average weekly hours of station use and actual utilization as a percentage of the utilization standard.

Sincerely,

A handwritten signature in blue ink that reads "Nathan Brostrom".

Nathan Brostrom
Executive Vice President – Chief Financial Officer

Attachment

cc: The Honorable Holly J. Mitchell, Chair, Joint Legislative Budget Committee
Ms. Finn, Program Budget Manager, Department of Finance
Ms. Lukenbill, Department of Finance
Mr. Katz, Finance Analyst, Department of Finance
Mr. Constantouros, Legislative Analyst's Office
Mr. Alvarez, Secretary of the Senate
Mr. Wilson, Chief Clerk of the Assembly
Associate Vice President Arrivas
Associate Vice President Flaherty
Chief of Staff Werdick
Executive Director Stimpson
Director Santa Cruz
Associate Director Virtanen
Budget Analyst Olmos

University of California
Classroom and Teaching Lab Utilization
Report

November 2017

FALL 2016 CLASSROOM AND TEACHING LABORATORY UTILIZATION UNIVERSITY OF CALIFORNIA

I. INTRODUCTION

The purpose of the report is to compare the utilization of specific types of rooms to established standards. This report provides one piece of useful information which, coordinated with other analyses, assists in the development and review of a campus capital program.

The report is in accordance with the legislative request set forth in the Education Code as follows:

67503. (a) On or before November 1, 2010, and at least biennially thereafter, the University of California is requested to, and the California State University shall, report on the utilization of classrooms and teaching laboratories. The report shall include for each campus in their respective system the total number of rooms, number of stations, weekly student contact hours, and weekly station hours. The report shall also include the average weekly hours of station use and actual utilization as a percentage of the utilization standard.

In general, the data contained in the enclosed report reflect campus enrollments from the 2016 fall term. For the Merced campus the data is based on 2015 data as noted in Appendix B.

II. THE STANDARDS

Each campus collects data about class schedules and class enrollment, combines these data with the inventory of rooms to which utilization standards apply, and then compares the resulting room utilization with the following legislatively approved standards:

- Classrooms: 35 weekly student contact hours per station
- Teaching Laboratories: 20 weekly student contact hours per station

These standards are based on (a) the expected number of hours a room is to be scheduled, and (b) the percentage of stations expected to be occupied when the room is scheduled.

Classrooms. The approved standard for classrooms, as established in 1970 in Assembly Concurrent Resolution 151, expects a room to be scheduled (on average) 75% of the 70 hours that fall between 8 a.m. and 10 p.m., Monday through Friday; i.e., 52.5 hours per week. During these scheduled hours, it is expected that two-thirds (66.7%) of the stations will be occupied. Combining the expectation of scheduling with the expectation of occupancy, one arrives at the standard of 35 weekly student contact hours per station (52.5 hours x 66.7%) occupancy for classrooms.

The classroom standard applies to all campus general-assignment and departmentally controlled classrooms and seminar rooms within general and professional instruction and research (I&R) programs. Excluded from this official submittal are health sciences, University Extension, and other non-standard programs and rooms (for example: physical education, military science, etc.). Presentation of classroom utilization in terms of the 35 hour standard is in compliance with supplemental language of the Budget Act of 1973.

Teaching Laboratories. The Supplemental Report to the 1973 Budget Act defined teaching laboratory standards for lower division and upper division teaching laboratories. The University does not distinguish among levels of instruction in its inventory of rooms, since teaching laboratories may serve each population in a given week, or even simultaneously, depending on class enrollment and scheduling. The average of the two standards (23.4 hours for lower division, 17.6 hours for upper division) results in 20 hours per week expected utilization, based on a 45-hour week, between 8 a.m. and 5 p.m., Monday through Friday.

The teaching laboratory standard applies to campus general-assignment (if any) and departmentally controlled class laboratories for both general and professional instruction and research (I&R) programs. Excluded from this official submittal are health sciences, University Extension, and other non-standard programs and rooms (for example, physical education, military science, etc.). Also excluded from the attached report are: special class laboratories (specially equipped labs serving a small number of courses, which for reasons of safety or expense cannot be used for other courses) and open laboratories, in which unscheduled but required instruction takes place, such as language labs, music studios, and self-instructional computer/media labs.

III. REPORT FORMAT

The tables on the first page of Appendix A present universitywide utilization statistics for classrooms and teaching laboratories. The remaining tables in Appendix A provide information for each campus, showing utilization by size of room. These latter tables are particularly important for identifying possible mismatches between the size of rooms that are available and the size of classes being scheduled.

The formula used to calculate utilization is shown at the top of each column, and a definition of terms is included in Appendix B.

IV. CAVEATS ABOUT UTILIZATION DATA

The utilization standards are based on certain assumptions about class scheduling, room availability, and the nature of instruction. Campus practice in the use and scheduling of rooms and approaches to instruction may vary in a variety of ways from these assumptions. Since standards are at best averages that present only part of a picture, it is important to consider the following caveats when reviewing campus utilization reports, so as not to draw incorrect conclusions.

Room Availability. The utilization standards are based on an assumption that classrooms and teaching laboratories serve a single purpose and are available exclusively for that purpose. In fact, however, there are departments that use the rooms within their control for multiple purposes. This leads to an efficient use of space within the department (for example, using a room for scheduled seminars, independent study, and departmental meetings), but limits the availability of the room for 100% scheduled instruction. Since utilization measures only the instructional activities in rooms, it is not correct to assume that low utilization means rooms are standing empty.

Scheduling Pattern. The standards are based on a presumption that courses are scheduled according to a predictable pattern, such as one-hour, Monday-Wednesday-Friday classes; or one- and-a-half hour, Tuesday-Thursday classes. Such a pattern allows for a fairly simple "building block" approach to scheduling, with classes starting predictably on the hour or half-hour. When departments deviate from that practice, for example, by scheduling a three-hour lecture on Mondays only, it may be difficult to find courses for the corresponding time blocks on Wednesday and Friday. Another scheduling reality is that a course of study may not require laboratory experiences, for example, until the winter or spring quarter, making for uneven utilization patterns across the year.

Unscheduled Hours. Not all of a student's instructional time in a room is accounted for in utilization reports. For example, a course may have six hours a week of scheduled laboratory activity but will require an additional number of hours of unscheduled work in the same room. A student may have to return every few hours to continue work on an experiment or project. However, since these hours are not scheduled, they cannot be counted for utilization purposes. If a room is available for the student's required but unscheduled activities, it is unavailable for other courses.

Nature of Instruction. The way a course is taught may affect a room's utilization, particularly in teaching laboratories. The standards assume that all courses are taught in similar ways (i.e., students arrive in a room, conduct an experiment, clean-up, and leave, making the room available for the next class). However, some courses require a set-up of apparatus or experiments that must remain in place for days, weeks, or even the duration of

the quarter or semester. During the time they are set up, the room is not available to other courses for instruction.

Room Suitability. Two other factors affect whether the inventory of available classrooms and teaching laboratories are suitable to meet the curricular needs of programs. The first is "room fit" (i.e., whether there are enough rooms with the correct number of stations to match class size). Classes with small enrollments may have to meet in rooms that are too large for them if there are not enough small classrooms available. Lack of suitable rooms may also require, for example, that lecture or discussion courses be scheduled in teaching laboratories. Such a situation may lead to "good" utilization for those laboratories but obscures that fact that the rooms are being used inappropriately.

A second factor, particularly in teaching laboratories but to some degree in classrooms, is the suitability of the design and equipment for the courses being offered. The availability or absence of certain equipment, such as computer linkages or projection screens, may affect utilization. Some teaching laboratories, which by definition are already limited to use by a single discipline, may be sufficiently specialized that it is difficult to schedule a large number of courses in them (although not so specialized as to qualify them for special laboratory status). This holds true particularly in the sciences and engineering, fields of study that increasingly require specialized rooms and equipment to teach even beginning students.

Preparation/Set-up Time. While utilization standards recognize to some extent that time is required to set-up and clean-up the activities, the standards are only averages which may not reflect the requirements of some campus programs, which can be very elaborate and time-consuming. Also, if there is only limited staff assistance available, it takes longer to prepare the room, further limiting the time it is available.

Appropriateness of the Standard. The University agrees with the findings of the MGT review of space and utilization standards in the United States, as reported in the 1990 CPEC report, *A Capacity for Learning*, that a classroom utilization standard of 30 hours is more realistic than California's current standard of 35 hours. Among the reasons cited in this comprehensive report was the relationship of the support budget to utilization, that is, attempts to make any significant impact on utilization by offering more evening classes, which places undue strains on the support budget. The report also notes that full-time day students, such as University students, tend to extend their studies an extra term rather than attend evening classes. Thus, the expectations of the standard that classes be held until 10 p.m. in the evening are not reflective of actual attendance.

V. CONCLUSION

Utilization standards are a valuable tool for measuring the use of facilities. They have provoked serious and fruitful discussion at each campus about how to find more efficient ways of scheduling courses and rooms, so as not to waste valuable facilities resources. Nevertheless, it is not appropriate to achieve maximum utilization at the expense of carefully thought-out programmatic and pedagogical choices. Utilization data goes only so far in evaluating the need for more or different instructional facilities, and academic choices about how best to teach must be respected.

UNIVERSITY OF CALIFORNIA
UTILIZATION SUMMARY
Fall 2016

Universitywide

TABLE U-1C: Classroom Utilization

Campus	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
Berkeley	301	16,483	395,533	618,305	37.5	64.0%	24.0	68.6%
Davis	145	10,633	344,009	503,765	47.4	68.3%	32.4	92.4%
Irvine	155	10,804	343,521	472,625	43.7	72.7%	31.8	90.8%
Los Angeles	266	16,344	410,150	607,018	37.1	67.6%	25.1	71.7%
Merced	42	2,365	80,151	114,619	48.5	69.9%	33.9	96.8%
Riverside	87	6,873	234,918	288,455	42.0	81.4%	34.2	97.7%
San Diego	124	9,342	364,288	459,413	49.2	79.3%	39.0	111.4%
Santa Barbara	138	7,187	190,420	262,087	36.5	72.7%	26.5	75.7%
Santa Cruz	86	5,560	202,899	376,402	67.7	53.9%	36.5	104.3%

TABLE U-1T: Teaching Laboratory Utilization

Campus	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
Berkeley	127	3,652	71,370	96,199	26.3	74.2%	19.5	97.7%
Davis	109	2,810	56,186	69,632	24.8	80.7%	20.0	100.0%
Irvine	41	1,144	23,492	28,840	25.2	81.5%	20.5	102.7%
Los Angeles	42	1,046	18,229	22,816	21.8	79.9%	17.4	87.1%
Merced	27	690	18,270	24,761	35.9	73.8%	26.5	132.4%
Riverside	61	1,470	37,327	42,368	28.8	88.1%	25.4	127.0%
San Diego	51	1,345	28,381	31,517	23.4	90.0%	21.1	105.5%
Santa Barbara	61	1,547	33,329	40,319	26.1	82.7%	21.5	107.7%
Santa Cruz	39	856	18,735	20,782	24.3	90.2%	21.9	109.4%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2016

Berkeley

TABLE U-2C: Classroom Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	14	191	1,457	2,743	14.4	53.1%	7.6	21.8%
16 - 25	63	1,328	26,342	37,794	28.5	69.7%	19.8	56.7%
26 - 50	143	5,111	114,187	182,541	35.7	62.6%	22.3	63.8%
51 - 100	51	3,622	77,460	131,624	36.3	58.8%	21.4	61.1%
101 - 200	18	2,568	60,184	94,736	36.9	63.5%	23.4	67.0%
201 - 300	9	2,247	55,236	81,347	36.2	67.9%	24.6	70.2%
301+	3	1,416	60,667	87,520	61.8	69.3%	42.8	122.4%
Total Campus	301	16,483	395,533	618,305	37.5	64.0%	24.0	68.6%

TABLE U-2T: Teaching Laboratory Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	22	272	4,542	3,593	13.2	126.4%	16.7	83.5%
16 - 25	70	1,581	37,484	41,534	26.3	90.2%	23.7	118.5%
26 - 40	22	726	12,002	16,559	22.8	72.5%	16.5	82.7%
41+	13	1,073	17,342	34,513	32.2	50.2%	16.2	80.8%
Total Campus	127	3,652	71,370	96,199	26.3	74.2%	19.5	97.7%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2016

Davis

TABLE U-2C: Classroom Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	10	150	2,884	4,200	28.0	68.7%	19.2	54.9%
16 - 25	13	294	9,102	10,718	36.5	84.9%	31.0	88.5%
26 - 50	62	2,443	62,726	110,315	45.2	56.9%	25.7	73.4%
51 - 100	32	2,333	63,703	106,500	45.6	59.8%	27.3	78.0%
101 - 200	21	3,018	98,983	137,263	45.5	72.1%	32.8	93.7%
201 - 300	4	1,099	46,034	60,140	54.7	76.5%	41.9	119.7%
301+	3	1,296	60,577	74,629	57.6	81.2%	46.7	133.5%
Total Campus	145	10,633	344,009	503,765	47.4	68.3%	32.4	92.4%

TABLE U-2T: Teaching Laboratory Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	7	96	1,889	1,554	16.2	121.6%	19.7	98.4%
16 - 25	68	1,567	31,483	34,519	22.0	91.2%	20.1	100.5%
26 - 40	28	853	20,210	27,167	31.8	74.4%	23.7	118.5%
41+	6	294	2,605	6,392	21.7	40.8%	8.9	44.3%
Total Campus	109	2,810	56,186	69,632	24.8	80.7%	20.0	100.0%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2016

Irvine

TABLE U-2C: Classroom Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	1	11	461	297	27.0	77.1%	41.9	119.7%
16 - 25	12	282	6,200	7,981	28.3	77.7%	22.0	62.8%
26 - 50	83	2,938	67,112	102,929	35.0	65.2%	22.8	65.3%
51 - 100	36	2,585	54,715	84,696	32.8	64.6%	21.2	60.5%
101 - 200	13	1,668	60,913	83,528	50.1	72.9%	36.5	104.3%
201 - 300	4	1,049	46,521	61,548	58.7	75.6%	44.3	126.7%
301+	6	2,271	107,599	131,646	58.0	81.7%	47.4	135.4%
Total Campus	155	10,804	343,521	472,625	43.7	72.7%	31.8	90.8%

TABLE U-2T: Teaching Laboratory Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	0	0	0	0	0.0	0.0%	0.0	0.0%
16 - 25	28	632	13,184	15,344	24.3	85.9%	20.9	104.3%
26 - 40	7	216	2,398	3,043	14.1	78.8%	11.1	55.5%
41+	6	296	7,910	10,453	35.3	75.7%	26.7	133.6%
Total Campus	41	1,144	23,492	28,840	25.2	81.5%	20.5	102.7%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2016

Los Angeles

TABLE U-2C: Classroom Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	12	149	1,526	2,314	15.5	65.9%	10.2	29.3%
16 - 25	55	1,164	26,349	36,446	31.3	72.3%	22.6	64.7%
26 - 50	111	4,118	96,333	150,494	36.5	64.0%	23.4	66.8%
51 - 100	50	3,594	77,042	120,621	33.6	63.9%	21.4	61.2%
101 - 200	26	3,604	95,360	137,558	38.2	69.3%	26.5	75.6%
201 - 300	6	1,550	47,160	67,574	43.6	69.8%	30.4	86.9%
301+	6	2,165	66,380	92,011	42.5	72.1%	30.7	87.6%
Total Campus	266	16,344	410,150	607,018	37.1	67.6%	25.1	71.7%

TABLE U-2T: Teaching Laboratory Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	4	37	420	396	10.7	106.1%	11.4	56.8%
16 - 25	30	626	13,489	14,089	22.5	95.7%	21.5	107.7%
26 - 40	5	189	2,553	3,660	19.4	69.8%	13.5	67.5%
41+	3	194	1,767	4,671	24.1	37.8%	9.1	45.5%
Total Campus	42	1,046	18,229	22,816	21.8	79.9%	17.4	87.1%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2015*

Merced

TABLE U-2C: Classroom Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	2	24	262	540	22.5	48.5%	10.9	31.2%
16 - 25	15	337	13,901	17,697	52.5	78.6%	41.2	117.9%
26 - 50	12	423	15,212	23,546	55.7	64.6%	36.0	102.7%
51 - 100	7	494	15,634	22,310	31.6	142.7%	31.6	90.4%
101 - 200	5	710	21,213	29,728	41.9	71.4%	29.9	85.4%
201 - 300	0	0	0	0	0.0	0.0%	0.0	0.0%
301+	1	377	13,929	20,798	55.2	67.0%	36.9	105.6%
Total Campus	42	2,365	80,151	114,619	48.5	69.9%	33.9	96.8%

TABLE U-2T: Teaching Laboratory Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	1	12	18	36	3.0	50.0%	1.5	7.5%
16 - 25	18	400	9,761	11,700	29.3	83.4%	24.4	122.0%
26 - 40	6	182	5,795	7,851	43.1	73.8%	31.8	159.2%
41+	2	96	2,696	5,174	53.9	52.1%	28.1	140.4%
Total Campus	27	690	18,270	24,761	35.9	73.8%	26.5	132.4%

* The data shown reflects fall 2015. Campus' data infrastructure does not allow for the fall 2016 data to be pulled. Enhancements will be made to allow for this data to be pulled in the future.

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2016

Riverside

TABLE U-2C: Classroom Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	3	40	1,409	1,670	41.8	84.4%	35.2	100.6%
16 - 25	5	117	4,807	5,923	50.6	81.2%	41.1	117.4%
26 - 50	49	1,759	54,851	84,076	47.8	65.2%	31.2	89.1%
51 - 100	15	1,056	36,453	53,107	50.3	68.6%	34.5	98.6%
101 - 200	6	784	33,412	42,611	54.4	78.4%	42.6	121.8%
201 - 300	4	1,165	37,200	42,611	36.6	87.3%	31.9	91.2%
301+	5	1,952	66,786	58,458	29.9	114.2%	34.2	97.8%
Total Campus	87	6,873	234,918	288,455	42.0	81.4%	34.2	97.7%

TABLE U-2T: Teaching Laboratory Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	1	12	666	216	18.0	308.3%	55.5	277.5%
16 - 25	49	1,068	26,828	28,505	26.7	94.1%	25.1	125.6%
26 - 40	9	270	8,592	10,997	40.7	78.1%	31.8	159.1%
41+	2	120	1,241	2,650	22.1	46.8%	10.3	51.7%
Total Campus	61	1,470	37,327	42,368	28.8	88.1%	25.4	127.0%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2016

San Diego

TABLE U-2C: Classroom Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	16	236	7,660	7,410	31.4	103.4%	32.5	92.7%
16 - 25	18	366	9,241	11,564	31.6	79.9%	25.2	72.1%
26 - 50	44	1,656	50,814	66,835	40.4	76.0%	30.7	87.7%
51 - 100	19	1,319	35,714	47,015	35.6	76.0%	27.1	77.4%
101 - 200	19	3,039	127,859	163,089	53.7	78.4%	42.1	120.2%
201 - 300	3	811	40,036	48,043	59.2	83.3%	49.4	141.0%
301+	5	1,915	92,963	115,457	60.3	80.5%	48.5	138.7%
Total Campus	124	9,342	364,288	459,413	49.2	79.3%	39.0	111.4%

TABLE U-2T: Teaching Laboratory Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	0	0	0	0	0.0	0.0%	0	0.0%
16 - 25	39	905	21,234	22,455	24.8	94.6%	23.5	117.3%
26 - 40	9	290	5,438	6,074	20.9	89.5%	18.8	93.8%
41+	3	150	1,709	2,988	19.9	57.2%	11.4	57.0%
Total Campus	51	1,345	28,381	31,517	23.4	90.0%	21.1	105.5%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2016

Santa Barbara

TABLE U-2C: Classroom Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	6	79	1,069	1,180	14.9	90.6%	13.5	38.7%
16 - 25	31	650	12,644	17,635	27.1	71.7%	19.5	55.6%
26 - 50	62	2,188	51,654	81,332	37.2	63.5%	23.6	67.5%
51 - 100	27	1,956	41,089	57,725	29.5	71.2%	21.0	60.0%
101 - 200	8	1,162	38,978	49,625	42.7	78.5%	33.5	95.8%
201 - 300	2	492	18,399	22,952	46.7	80.2%	37.4	106.8%
301+	2	660	26,588	31,638	47.9	84.0%	40.3	115.1%
Total Campus	138	7,187	190,420	262,087	36.5	72.7%	26.5	75.7%

TABLE U-2T: Teaching Laboratory Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	5	56	477	458	8.2	104.0%	8.5	42.6%
16 - 25	39	854	22,164	23,847	27.9	92.9%	26.0	129.8%
26 - 40	13	432	7,253	11,382	26.3	63.7%	16.8	84.0%
41+	4	205	3,435	4,632	22.6	74.2%	16.8	83.8%
Total Campus	61	1,547	33,329	40,319	26.1	82.7%	21.5	107.7%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2016

Santa Cruz

TABLE U-2C: Classroom Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	2	30	232	410	13.7	56.6%	7.7	22.1%
16 - 25	28	617	17,202	21,944	35.6	78.4%	27.9	79.7%
26 - 50	31	1,159	40,457	58,159	50.2	69.6%	34.9	99.7%
51 - 100	12	914	23,310	38,092	41.7	61.2%	25.5	72.9%
101 - 200	7	982	36,465	50,182	51.1	72.7%	37.1	106.1%
201 - 300	4	1,004	42,822	57,892	57.7	74.0%	42.7	121.9%
301+	2	854	42,411	149,723	175.3	28.3%	49.7	141.9%
Total Campus	86	5,560	202,899	376,402	67.7	53.9%	36.5	104.3%

TABLE U-2T: Teaching Laboratory Utilization by Room Size

Station Count	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	1	12	270	177	14.8	152.5%	22.5	112.5%
16 - 25	33	667	13,261	14,485	21.7	91.5%	19.9	99.4%
26 - 40	3	84	758	1,065	12.7	71.2%	9.0	45.1%
41+	2	93	4,446	5,055	54.4	88.0%	47.8	239.0%
Total Campus	39	856	18,735	20,782	24.3	90.2%	21.9	109.4%

DEFINITION OF TERMS USED IN UTILIZATION TABLES

Fall Term - Indicates a snapshot date-in-time, the end of the third week of classes in the fall term, at which time data is collected for utilization reporting.

Room - Utilization data is reported for classrooms (i.e., classrooms and seminar rooms) and teaching laboratories, in general and professional instruction and research programs.

Station - Student stations, usually chairs or stools--not the work area or set-up itself which may be shared by two or more students. For example, a single computer may serve two student seats. The number of stations in this case equals two.

Weekly Student Contact Hours (WSCH) - The "workload" measurement of students, indicating the number of hours per week that each student is scheduled to attend a class in each of the facilities in which the class is scheduled. Weekly student contact hours are the products of class enrollments and weekly class hours. For example, a course that has 40 students and meets for three lecture hours and three lab hours per week generates 3×40 or 120 WSCH in lecture (classroom activity), and 3×40 or 120 WSCH in laboratory activity. Only those WSCH scheduled in classrooms, seminar rooms, and teaching laboratories are reported for utilization. There are no utilization standards for other types of rooms in which scheduled instruction may occur.

Weekly Room Hours (WRH) - Designates the time that a room is used on a weekly basis for the scheduled activities required for a course. (Also expressed as Weekly Station Hours.)

Percentage of Station Occupancy - The percentage of available stations occupied while the room is in use. An average calculated by dividing the weekly student contact hours (WSCH) by the weekly room hours.

Average Weekly Station Hours - Also expressed as Average Weekly Student Contact Hours per Station, or Average Station Use. Calculated by dividing weekly student contact hours by the total number of stations, or by multiplying weekly room hours per room by the average station occupancy. The result is the room's utilization, which is compared to the standard for a room of its type.